



CELANYL® A2 HH J14 BK 9005/2

CELANYL®

Medium toughened grade, good surface appearance and good processability. Suitable for many technical applications.

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Product information			
Resin Identification	PA66-I		ISO 1043
Part Marking Code	>PA66-I<		ISO 11469
Continuous Service Temperature	105	°C	IEC 60216-1
Rheological properties			
Moulding shrinkage range, parallel	1.1 - 1.7	%	ISO 294-4, 2577
Moulding shrinkage range, normal	1.1 - 1.7	%	ISO 294-4, 2577
Typical mechanical properties	dry/cond.		
Tensile modulus	2250/-	MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	65/-	MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	8/-	%	ISO 527-1/-2
Tensile strain at break, 50mm/min	40/-	%	ISO 527-1/-2
Flexural modulus	2100/-	MPa	ISO 178
Flexural strength	80/-	MPa	ISO 178
Charpy impact strength, 23°C	N/-	kJ/m²	ISO 179/1eU
Charpy notched impact strength, 23°C	19/-	kJ/m²	ISO 179/1eA
Poisson's ratio	0.39/- ^[C]		
[C]: Calculated			
Thermal properties	dry/cond.		
Temperature of deflection under load, 1.8 MPa	60/*	°C	ISO 75-1/-2
Flammability	dry/cond.		
Burning Behav. at 1.5mm nom. thickn.	HB/*	class	IEC 60695-11-10
Burning Behav. at thickness h	HB/*	class	IEC 60695-11-10
Thickness tested	3/*	mm	IEC 60695-11-10
Physical/Other properties	dry/cond.		
Humidity absorption, 2mm	1.1/*	%	Sim. to ISO 62
Water absorption, 2mm	7.1/*	%	Sim. to ISO 62
Density	1090/-	kg/m³	ISO 1183
Injection			
Drying Recommended	yes		
Drying Temperature		°C	
Drying Time, Dehumidified Dryer	2 - 4	h	
Processing Moisture Content	≤0.15	%	
Melt Temperature Optimum	290	°C	
Min. melt temperature	280	°C	
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300 °C

≤0.3 m/s 80 °C

Revised: 2024-08-16 Source: Celanese Materials Database

Max. melt temperature Screw tangential speed

Mold Temperature Optimum





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Min. mould temperature 50 °C Max. mould temperature 100 °C

Characteristics

Processing Injection Moulding

Delivery form Granules

Special characteristics High impact or impact modified, Heat stabilised or stable to heat

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